

Flush membrane configuration

— Pressure Transmitter

GPT210

Description

GPT210 pressure transmitter adopts GS series piezoresistive flat membrane silicon oil-filled sensing element as the signal measuring element, with stainless steel diaphragm which can be compatible with gas or dilute liquid,. With a flush diaphragm process connection, so it is mainly applied to general applications such as food, pharmaceutical and chemical liquid pressure measurement.

Application

- process control system
- medical
- biological products
- food hygiene

Features

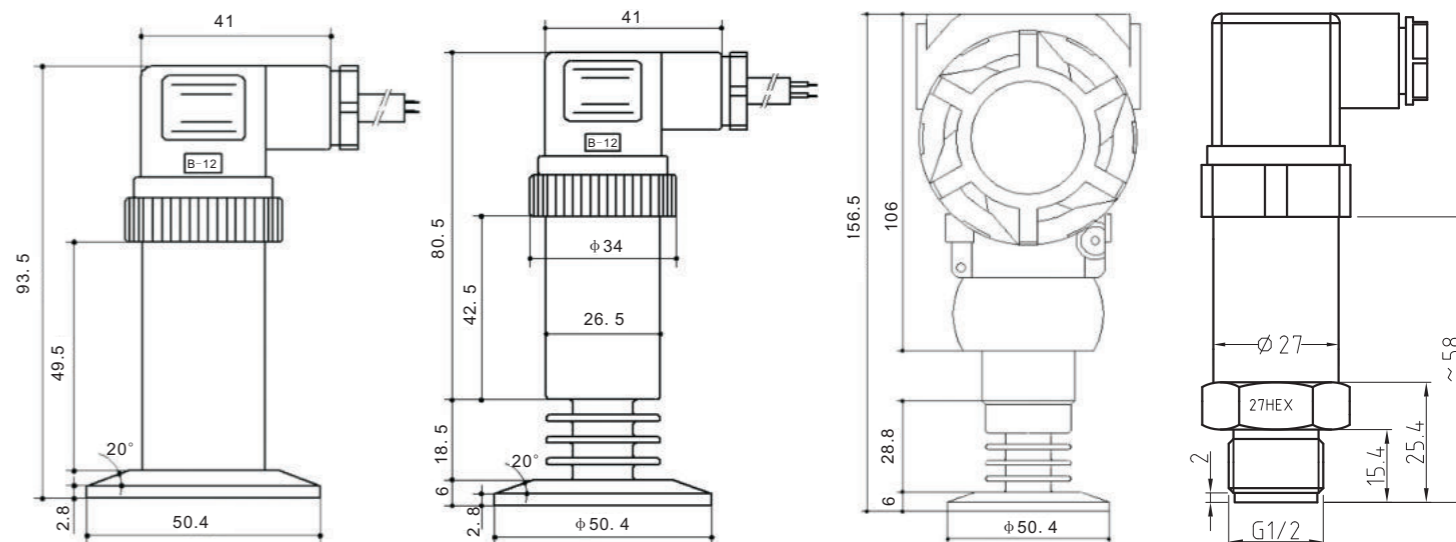
- flush diaphragm
- pressure range: 0~35kPa...20MPa
- gas or dilute liquid compatible with 316LSS
- high reliability and stability

Technical Specifications

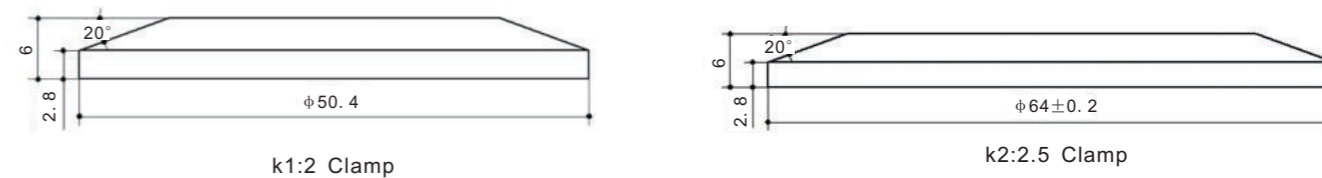
pressure range	0~35kPa...20MPa			
pressure type	gauge (G), absolute (A), sealed gauge (S)			
overpressure	150%FS or 110MPa(min. value is valid)			
output signal	4~20mA	0~5Vdc	1~5Vdc	0~10Vdc
power supply	12~30Vdc	12~30Vdc	12~30Vdc	12~30Vdc
accuracy	0.25%FS(typ.)		0.5%FS(max.)	
long-term stability	≤0.2%FS/year			
temp.coefficient of zero	±0.02%FS/°C(typ.)		±0.03%FS/°C(max.)	
temp.coefficient of span	±0.02%FS/°C(typ.)		±0.03%FS/°C(max.)	
compensated temperature range	-10~+70 °C			
operating temperature range	-40~+85 °C(normal temperature) -40~+150 °C(high temperature)			
storage temperature range	-40~+125 °C			
Insulating resistance	≥100MΩ@100Vdc			
electrical interface	DIN43650 cable connection 2088 housing+display			
pressure interface	M20x1.5,G1/2 (customer request)			
material of pressure membrane	clamp diaphragm: 316L stainless steel			
material of housing	stainless steel			
response time(10%~90%)	≤1ms			
protection	IP65			



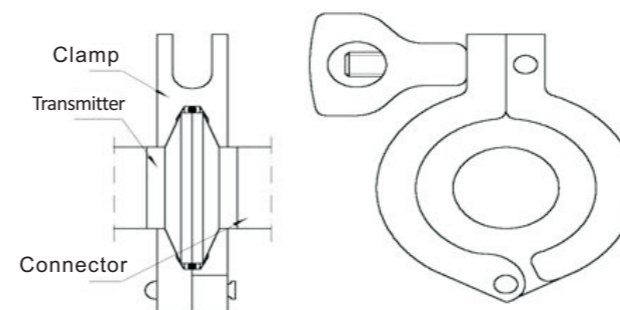
Dimension(mm)



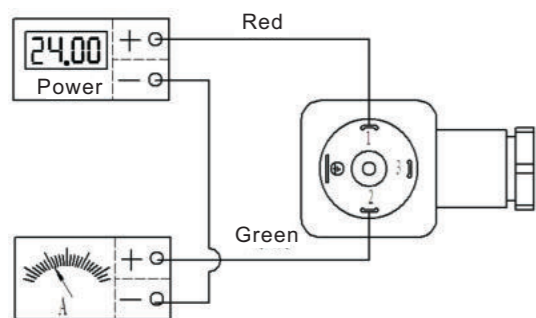
Clamp Dimension:



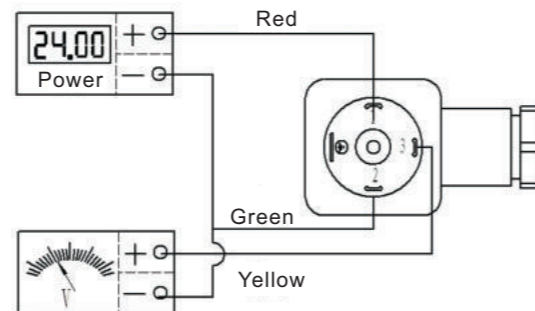
Installation Diagram:



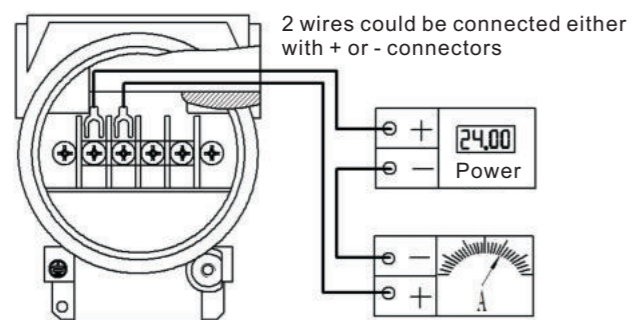
wiring



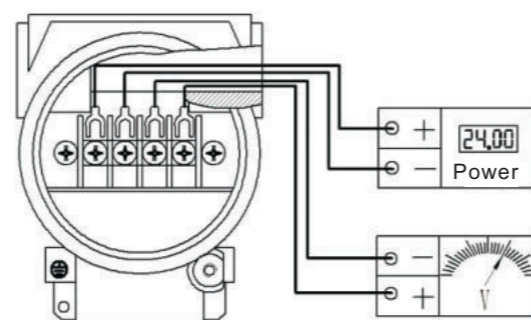
two-wire current



three-wire voltage



two-wire current



four-wire voltage

Ordering code

GPT210A											Health type flat membrane
GPT210B											Clamp type flat membrane
GPT210C											2088 housing+display
	Code										Pressure range
	0/x										0~10kPa...20MPa
		Code									Unit
		M									MPa
		B									Bar
		P									Psi
			Code								Pressure type
			G								gauge
			S								sealed gauge
			A								absolute
				Code							Output signal
				T1							4-20mA
				T2							0-5Vdc
				T3							1-5Vdc
				T4							0-10Vdc
					Code						power supply
					V1						12Vdc
					V2						24Vdc
					V3						12~30Vdc
					V4						5V
						Code					accuracy
						A1					0.25%FS
						A2					0.5%FS
							Code				Electrical interface
							B1				DIN43650
							B2				cable connection
							B3				can be customized
								Code			Housing Material
								S1			304 SS
								S2			316L SS
									Code		Pressure interface
									C1		M20x1.5(male)
									C2		G1/4(male)
									C3		G1/2(male)
									C4		1/4NPT(male)
									Cx		other
GPT210	1MPa	P	S	T2	V3	A2	B3	S2	C4		Complete specification